

# Harmandeep Singh

+91-7814170416 • harmandeep7448@gmail.com • linkedin.com/in/harman-deep-79a9a42a0 • github.com/harman002

## About me

Aspiring and detail-oriented Web Developer with a strong foundation in HTML, CSS, JavaScript, and modern front-end frameworks such as React.js. I am eager to apply academic knowledge and project experience in a real-world environment. I can Create responsive and user-friendly websites, Quick learner, with a passion for continuous learning and development in the rapidly evolving tech industry. Excellent problem-solving skills, teamwork capabilities, and a keen eye for design.

## EDUCATION

<b>Chandigarh University</b>	Aug 2022 - May 2026
Bachelors of Engineering in Computer Science	
<b>Ashoka Senior Secondary School</b>	2021
Senior Secondary ,Percentage 87	
<b>Sri kalgidhar Model High School</b>	2019
Secondary ,Percentage 85	

## TECHNICAL SKILLS

**Programming:** C++, HTML, CSS, JavaScript, Basic Java

**Libraries:** React.js, Node.js, Express.js, Bootstrap, Tailwind CSS

**DataBase:** MySQL, MongoDB

## PROFESSIONAL EXPERIENCE

<b>Unified Mentor,Frontend Development Intern</b>	Dec 2024 – Feb 2025
<ul style="list-style-type: none"><li>• A web application that allows users to browse, search, and manage their favorite recipes.</li><li>• Technologies used React.js, Tailwind CSS</li><li>• Users can search for recipes by name, ingredients, or category.</li><li>• Works seamlessly on desktop, tablet, and mobile devices.</li></ul>	

## ACADEMIC PROJECTS

### Online Job Portal

A web application that connects job seekers with employers, allowing users to search, apply for jobs, and manage applications..

- Displays featured jobs, top companies, and job categories.
- Shows job description, company info, required skills, and an "Apply Now" button.
- Optimized for desktop, tablet, and mobile devices and also Provides a user-friendly UI.
- Technologies Used React.js, Tailwind CSS, React Router

### Maze Solver

A web-based or terminal-based application that finds the optimal path from the start to the exit of a maze using pathfinding algorithms.

- Supports predefined and randomly generated mazes.
- Implements BFS, DFS, A\* Algorithm, and Dijkstra's Algorithm to solve the maze.
- Allows users to input custom mazes or draw their own.
- Animates the step-by-step solving process with color-coded paths.

### Air Quality Monitoring System

A system A real-time air quality monitoring system using Arduino and ESP8266 (WiFi module), which collects sensor data and sends it to Blynk and ThinkSpeak for visualization and remote monitoring.

- Measures air pollutants like CO2, PM2.5, PM10, temperature, and humidity using sensor.(e.g., MQ-135, DHT11)
- ESP8266 Connects the system to the internet for wireless data transmission.
- Blynk Dashboard is used to displays real-time air quality data on a smartphone-friendly interface.
- Alerts & Notifications are send via Blynk when pollutant levels exceed safe limits.

## Certifications

- Internet of Things (NPTEL,NITTR Chandigarh)
- Computer Organization and Architecture (NPTEL,IIT Guwahati)
- Cloud Computing (NPTEL,IIT Kharagpur)